

**CAUSES AND CONCERNS OF LANDFILL INCREASES**

As the number of landfills increase the health of India increases from 64. The increase in land-use is population growth and consumption. India's waste population growth is equivalent or marginally lower than most middle to low-income countries. Developing countries have the American rate of consumption is far greater than any other developed or developing country today. The amount of waste collected in all major American cities is far greater than that of any developed or developing country in the world today.

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**LANDFILL SOLUTIONS**

How to Decrease the Number of Landfills:

- Respect - Planet
- Reduce - Consumption
- Reuse - Products
- Recycle - Materials

**YOUR WASTE & LANDFILL RATE**

Every year, each American throws away 4.7 billion pounds of waste. The average American produces 4.7 billion pounds of waste each year. The US population in 2013 was 315 million. The US produces 1.5 billion tons of waste each year. The US produces 1.5 billion tons of waste each year. The US produces 1.5 billion tons of waste each year.

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**LANDFILLS AND WASTE DISPOSAL**

- Okay, so what is it?
- What is the purpose of these landfills?
- What actions are taken to ensure this?
- A few things.

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**THE PROBLEM**

Landfills are a major source of air and water pollution. They also produce greenhouse gases and leach toxic chemicals into the ground.

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**BRIDGES**

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# WASTE MANAGEMENT'S ORGANIC GROWTH GROUP

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**YOUR WASTE & LANDFILL RATE**

Every year, each American throws away about 4,170 pounds of waste, and 60% is sent to landfills or incinerated.

The US population in 2014 was 318,000,000 people. If each person throws away 4,170 pounds of waste, that's 1,334,160,000 pounds of waste. That's 1,334,160 tons of waste.

The US is the 3rd largest producer of waste in the world. It produces 25% of the world's waste.

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# LANDFILLS AND WASTE DISPOSAL

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- A few things...



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# THE PROBLEM

- Toxins
- E-Waste??
- Leachate
- Greenhouse Gas

(The Problem with Landfill, Landfills)

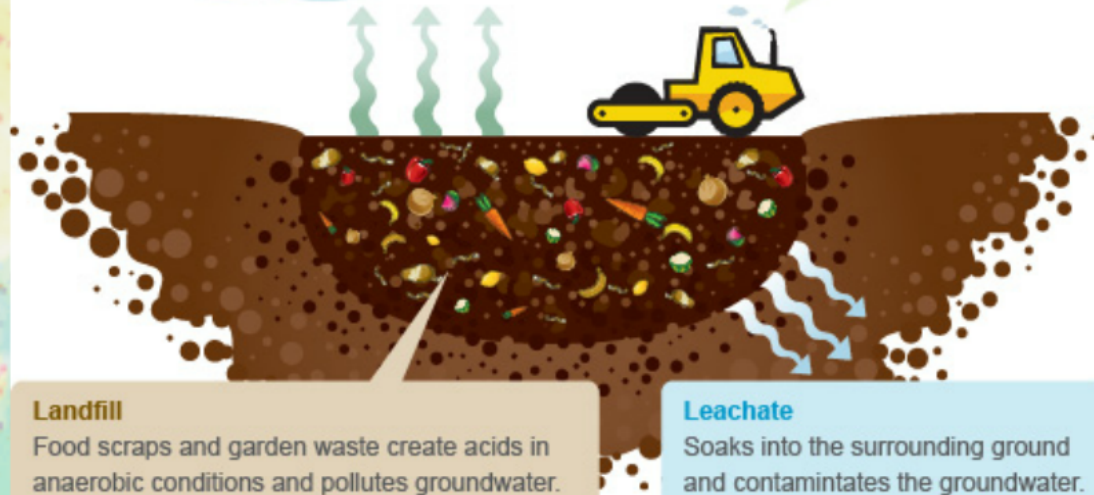
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### **Methane**

(a very strong greenhouse gas) produced from food and garden waste kept in anaerobic conditions.

### **Compactor**

Removes air in the landfill to save space which creates an anaerobic environment.



### **Landfill**

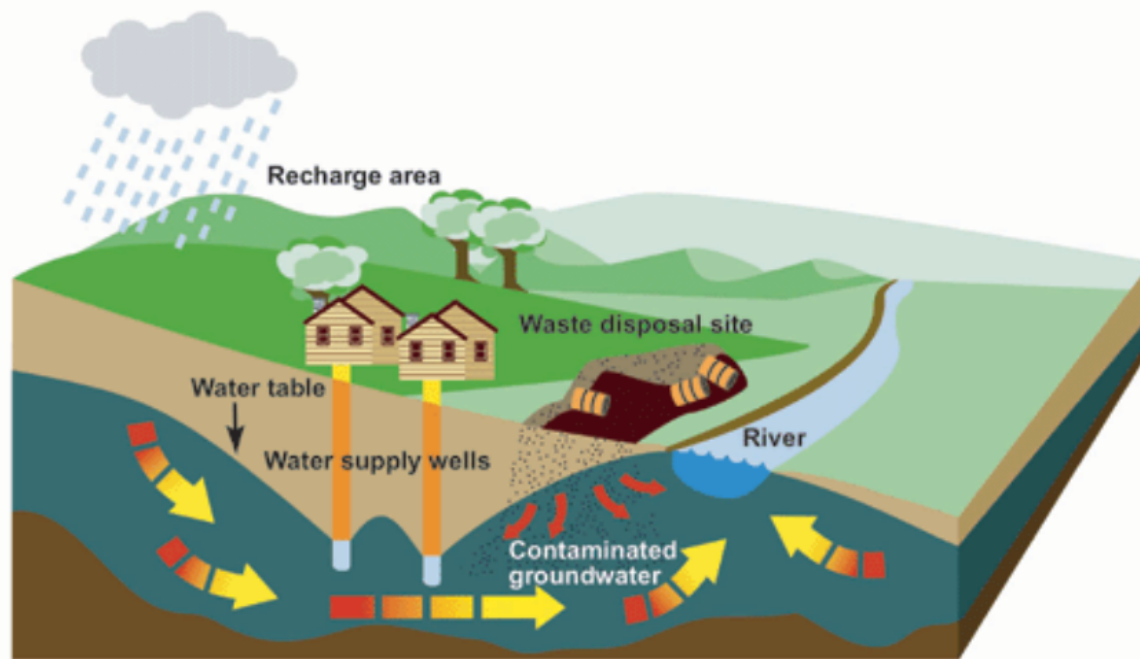
Food scraps and garden waste create acids in anaerobic conditions and pollutes groundwater.

### **Leachate**

Soaks into the surrounding ground and contaminates the groundwater.

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## Groundwater contamination from a waste disposal site



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## CAUSES AND CONCERNS OF LANDFILL INCREASES

As the number of landfills increase the likelihood of leaks increases five-fold. The increase in trash is due to population growth and consumerism. United States population growth is equivalent or marginally lower than most middle to low-middle income developing countries but the American rate of consumption is far greater than any other developed or developing country today. The amount of waste collected in an average American house hold is far greater than that of any developed or developing country in the world today.

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## SOLID WASTE & LANDFILL FACTS

- Every year, each American throws out about 1,200 pounds of organic garbage that can be composted.
- On average, it costs \$30 per ton to recycle trash, \$50 to send it to the landfill, and \$65 to \$75 to incinerate it.
- The US population discards each year 16,000,000,000 diapers, 1,600,000,000 pens, 2,000,000,000 razor blades, 220,000,000 car tires, and enough aluminum to rebuild the US commercial air fleet four times over.
- The U.S. is the #1 trash-producing country in the world at 1,609 pounds per person per year. This means that 5% of the world's people generate 40% of the world's waste.

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